

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/01

Date Received: 01/25/01

Project: Metro Self Monitor, PO# M65299

Date Extracted: 01/30/01

Date Analyzed: 01/30/01

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M65299 101093-01	1.5	1.1	1.7	0.10
Method Blank	<0.05	<0.05	<0.05	<0.05

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/01

Date Received: 01/25/01

Project: Metro Self Monitor, PO# M65299

### QUALITY ASSURANCE RESULTS FROM TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 101093-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	1.5	1.5	0	0-20
Copper	mg/L (ppm)	1.1	1.1	0	0-20
Nickel	mg/L (ppm)	1.7	1.7	0	0-20
Zinc	mg/L (ppm)	0.10	0.07	a	0-20

Laboratory Code: 101093-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/L (ppm)	5	1.5	94	100	80-120	6
Copper	mg/L (ppm)	5	1.1	94	97	80-120	3
Nickel	mg/L (ppm)	10	1.7	97	101	80-120	4
Zinc	mg/L (ppm)	5	0.10	103	101	80-120	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	Acceptance Criteria
Chromium	mg/L (ppm)	5	106	80-120
Copper	mg/L (ppm)	5	108	80-120
Nickel	mg/L (ppm)	10	106	80-120
Zinc	mg/L (ppm)	5	112	80-120

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

101093

## SAMPLE CHAIN OF CUSTODY

KT 1-25-01 B.D.

Send Report To Greg A. ThompsonCompany Alaska Copper WorksAddress 628 S. Harbor StCity, State, ZIP Seattle WA 98134Phone # 206-382-8379 Fax # 206-382-4309SAMPLERS (signature) [Signature]

PROJECT NAME/NO.

metno Self monitor

PO #

m65299

REMARKS

Page # \_\_\_\_\_ of \_\_\_\_\_

## TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: \_\_\_\_\_

## SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	CEC	niz			
m65299	01	1/25/01	11:10	H2O	1								✓			

Friedman & Bruya, Inc.  
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>Greg A. Thompson</u>	<u>Aew</u>	<u>1/25/01</u>	<u>1:00</u>
Received by: <u>[Signature]</u>	<u>S. Osborn</u>	<u>F&amp;B, Inc.</u>	<u>✓</u>	<u>✓</u>
Relinquished by:				
Received by:				



**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D.  
Charlene Jensen, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

February 1, 2001

**DUPLICATE COPY**

**INVOICE # 01ACU0201-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M65299 - Results of testing requested by  
Gerry Thompson for material submitted on January 25, 2001.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010 @ \$80 per sample	<u>\$ 80.00</u>
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Amount Due .....	\$ 80.00
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FEDERAL TAX ID #(b) (6)

FRIEDMAN & BRUYA, INC.

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Seattle, WA 98119-2029  
TEL: (206) 285-8282  
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e-mail: fbi@isomedia.com

February 1, 2001

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

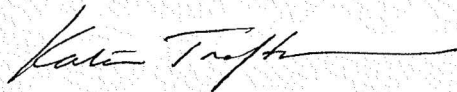
Dear Mr. Thompson:

Included are the results from the testing of material submitted on January 25, 2001 from your Metro Self Monitor, PO# M65299 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton  
Project Manager

Enclosures  
ACU0201R.DOC